

IN THE CLAIMS:

Please amend claims 5 and 7 as follows:

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5. (Amended) The carrier reproducing method according to [any one of claims 1 to 4] any one of claims 1, 2 or 4, characterized in that said predetermined angular velocity (α) is an α having positive polarity or negative polarity.

Claim 7, line 1, change "A carrier reproducing method" to --A synchronous detecting apparatus--.


Please delete claim 9 and add new claim 10 as follows:

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--10. The synchronous detecting apparatus according to claim 7 or 8, further comprising a circuit (4) for determining a value of the predetermined time interval taking said auto-correlation, according to said I, Q signals.—

REMARKS

Claim 5 has been amended to correct the multiple dependency therein. Claim 7 has been amended, claim 9 deleted and claim 10 added to correct informalities in the Article 19 Amendment. Examination on the merits is requested.

Respectfully submitted,


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